Abhiram Rishi Prattipati

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EDUCATION

San Francisco State University   **San Francisco, CA**
BS in Computer Science – GPA: 3.07   *Graduation Date: December 2022*
De Anza College   **Cupertino, CA**
AS in Computer Science, AA in Liberal Arts   *Graduation Date: August 2020*

SKILLS and CERTIFICATIONS

DeepLearning.AI Data Engineering Professional Certificate – AWS   **January 2025**
Oracle Cloud Infrastructure 2024 Generative AI Certified Professional – Oracle   **July 2024**
AWS Certified Developer – Associate DVA-C02 – Amazon Web Services   **May 2024**

Programming Languages:	Java, JavaScript, Python, Java, C/C++, TypeScript
Frameworks and Libraries:	Spring Boot, Django, Flask, Next.js, React, Node.js, Tailwind CSS
Databases:	PostgreSQL, MongoDB, SQLite, SQL
Tools:	AWS, Linux, Docker, Apache Airflow, Ubuntu, Git, Postman, Jira

WORK EXPERIENCE

TradeSun   **Del Mar, CA (Remote)**
Software Engineering Intern   *September 2024 - December 2024*
- Developed custom AI models using machine learning and OCR to extract data from scanned financial documents
- Implemented Amazon Cognito hosted UI into a Flask dashboard to streamline user authentication and authorization
- Integrated a JSON Rules Engine into an Angular application, enabling dynamic rule-based decision-making workflow

Cogent IBS   **Franklin, MI (Remote)**
Full Stack Developer Intern   *June 2024 – August 2024*
- Implemented over 15 REST API routes to handle customer orders using Stripe, resulting in a 22% increase in sales
- Optimized a successful cart-to-purchase workflow, resulting in a decrease of cart abandonment by 18%
- Designed a responsive UI using React State Management, ensuring a seamless user experience across devices

iD Tech Camps   **Campbell, CA (Remote)**
Programming Instructor   *October 2020 – August 2022*
- Conducted interactive online sessions via Zoom, instructing courses in C++, Java, Python, and HTML to students
- Offered video conference support to students encountering difficulties during sessions, resolving issues and errors promptly and effectively, resulting in a 30% reduction in session disruptions.
- Demonstrated coding techniques and best practices, helping students develop better coding practices and solve errors

LEADERSHIP & VOLUNTEER EXPERIENCE

Microsoft TEALS Program, *Teacher Assistant*   **August 2024 – Present**
- Taught AP Computer Science and Java to high school students, fostering their interest in technology and programing

SiliconAndhra Manabadi, *Backend Developer & Teacher Assistant*   **August 2023 – Present**
- Contributed to the development of a Telugu language LLM by working on infrastructure using Django and Supabase
- Served as a teaching assistant at the Telugu school, supporting teachers and students in learning and office activities

PROJECTS

Food Waste Reduction Platform   *Spring Boot, React, Vaadin (Hilla), PostgreSQL, Docker*
- Developed a full-stack web application to help restaurants and nonprofits sell leftover food, reducing food waste.
- Integrated Vaadin Hilla for real-time communication between frontend and backend, enabling live updates of data
- Containerized the entire application with Docker to ensure smooth deployment and portability across environments

Personal Finance Tracker   *Django, React, Tailwind CSS, PostgreSQL, Chart.js, Docker*
- Leveraged Django RESTful APIs to handle user authentication, data storage, and expense tracking functionalities
- Designed a responsive frontend with React and Tailwind CSS, integrating Chart.js for dynadata visualization
- Configured PostgreSQL for efficient data management and optimized ORM queries for enhanced performance

SQLite Clone Development   *C, SQLite, Linux, CUnit, Bash*
- Developed a lightweight SQLite clone to manage relational data efficiently, building core database functionalities
- Automated build and testing workflows using Make and Bash for streamlined development within a Virtual Machine